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- (71) Applicant (*for all designated States except US*): **ATO-FINA RESEARCH** [—/—]; Société Anonyme, Zone Industrielle C, B-7181 Seneffe (Feluy) (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **DATH, Jean-Pierre** [BE/BE]; Rue d'Ath 53, B-7970 Beloeil (BE). **VER-MEIREN, Walter** [BE/BE]; Winningstraat 4, B-3530 Houthalen (BE).
- (74) Common Representative: **ATOFINA RESEARCH, S.A.**; Patent Department, Zone Industrielle C, B-7181 Seneffe (Feluy) (BE).
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(54) Title: PRODUCTION OF OLEFINS

(57) Abstract: A process for converting a hydrocarbon feedstock to provide an effluent containing light olefins, the process comprising passing a hydrocarbon feedstock, the feedstock containing at least one C₁ to C₆ aliphatic hetero compound selected from alcohols, ethers, carbonyl compounds and mixtures thereof and steam in an amount whereby the feedstock contains up to 80 weight % steam, through a reactor containing a crystalline silicate catalyst to produce an effluent including propylene, the crystalline silicate having been subjected to de-alumination by a steaming step and being selected from at least one of an MFI-type crystalline silicate having a silicon/aluminium atomic ratio of from 250 to 500 and an MEL-type crystalline silicate having a silicon/aluminium atomic ratio or from 150 to 800.

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